

```
1 mhinrrvqqp pvtatdsfrt asdaslasss vrsvssdqqr einaiadylt dhvfaahklp 61 padsadgqaa vdvhnaqita lietrasrlh fegetpatia dtfakaekld rlatttsgal 121 ratpfamasl lqymqpaink gdwlpaplkp ltplisgals gamdqvgtkm mdratgdlhy 181 lsaspdrlhd amaasvkrhs pslarqvldt gvavqtysar navrtvlapa lasrpavqga 241 vdlgvsmagg laanagfgnr llsvqsrdhq rggalvlglk dkepkaqlse endwleayka 301 iksasysgaa lnagkrmagl pldmatdamg avrslvsass ltqnglalag gfagvgklqe 361 matknitdpa tkaavsqltn lagsaavfag wttaalttdp avkkaesfiq dtvkstasst 421 tgyvadqtvk laktvkdmgg eaithtgasl rntvnnlrqr pareadieeg gtaaspseip 481 frpmrs
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Revised: July 5, 2002.

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Disclaimer | Write to the Help Desk
NCBI | NLM | NIH

Jan 21 2003 18:08:12

WEST Search History

DATE: Tuesday, January 28, 2003

Set Name side by side	Query	Hit Count	Set Name result set
$DB=USPT,PGPB,JPAB,EPAB;\ PLUR=YES;\ OP=OR$			
L14	"ala ala his arg phe ser val"	1	L14
L13	"met his ile asn gln ser"	1	L13
L12	"cel orf5"	1	L12
L11	effector\$ and 17	2	L11
L10	"ala ala his lys leu"	7	L10 .
L9	"met his ile asn"	6	L9
L8	af232006	1	L8
L7	L6 and orf\$	10	L7
L6	L4 and 13	25	L6
L5	L4 and l4	28	L5
L4	dc3000\$	28	L4
L3	"pseudomonas syringae"	1115	L3
L2	hopptoa\$	2	L2
$DB=USPT,PGPB;\ PLUR=YES;\ OP=OR$			
L1	collmer.in. and alfano.in. and charkowski.in.	2	L1

END OF SEARCH HISTORY

Connecting via Winsock to Dialog

Logging in to Dialog

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES PLEASE LOGON:

ENTER PASSWORD:

Welcome to DIALOG

Dialog level 02.12.20D

Last logoff: 02jan03 18:13:09 Logon file405 28jan03 15:25:10 *** ANNOUNCEMENT ***

--File 515 D&B Dun's Electronic Business Directory is now online completely updated and redesigned. For details, see HELP NEWS 515.

--File 990 - NewsRoom now contains October 2002 to present records. File 993 - NewsRoom archive contains 2002 records from January 2002-September 2002. To search all 2002 records, BEGIN 990,993 or B NEWS2002

-Alerts have been enhanced to allow a single Alert profile to be stored and run against multiple files. Duplicate removal is available across files and for up to 12 months. The Alert may be run according to the file's update frequency or according to a custom calendar-based schedule. There are no additional prices for these enhanced features. See HELP ALERT for more information.

-U.S. Patents Fulltext (File 654) has been redesigned with new search and display features. See HELP NEWS 654 for information.

-Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.

-- CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

--Important news for public and academic libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--See HELP FREELANCE for more information

For information about the access to file 43 please see Help News43. ***

NEW FILES RELEASED

- ***Dialog NewsRoom Current 3-4 months (File 990)
- ***Dialog NewsRoom 2002 Archive (File 993)
- ***Dialog NewsRoom 2001 Archive (File 994)

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***Dialog NewsRoom - 2000 Archive (File 995)
***TRADEMARKSCAN-Finland (File 679)
***TRADEMARKSCAN-Norway (File 678)
***TRADEMARKSCAN-Sweden (File 675)
          ***
UPDATING RESUMED
***Delphes European Business (File 481)
           ***
RELOADED
***D&B Dun's Electronic Business Directory (File 515)
****U.S. Patents Fulltext 1976-current (File 654)
***Population Demographics (File 581)
***Kompass Western Europe (File 590)
***D&B - Dun's Market Identifiers (File 516)
REMOVED
***Chicago Tribune (File 632)
***Fort Lauderdale Sun Sentinel (File 497)
***The Orlando Sentinel (File 705)
***Newport News Daily Press (File 747)
****U.S. Patents Fulltext 1980-1989 (File 653)
***Washington Post (File 146)
***Books in Print (File 470)
****Court Filings (File 793)
***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)
***New document supplier***
IMED has been changed to INFOTRIE (see HELP OINFOTRI)
  >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
  >>> of new databases, price changes, etc.
* * New CURRENT Year ranges installed **
SYSTEM:HOME
Cost is in DialUnits
Menu System II: D2 version 1.7.8 term=ASCII
           *** DIALOG HOMEBASE(SM) Main Menu ***
Information:
 1. Announcements (new files, reloads, etc.)
 2. Database, Rates, & Command Descriptions
 3. Help in Choosing Databases for Your Topic
 4. Customer Services (telephone assistance, training, seminars, etc.)
 5. Product Descriptions
'Connections:
 6. DIALOG(R) Document Delivery
 7. Data Star(R)
  (c) 2000 The Dialog Corporation plc
                                      All rights reserved.
                  /L = Logoff
                                   /NOMENU = Command Mode
   /H = Help
```

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC). ? b 410

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28jan03 15:25:11 User268147 Session D35.1
       $0.00 0.157 DialUnits FileHomeBase
   $0.00 Estimated cost FileHomeBase
   $0.00 Estimated cost this search
   $0.00 Estimated total session cost 0.157 DialUnits
File 410:Chronolog(R) 1981-2002/Nov
    (c) 2002 The Dialog Corporation
   Set Items Description
? set hi %%%;set hi %%%
HILIGHT set on as "
HILIGHT set on as "
? b 5, 76, 143, 34
         76 does not exist
>>>
>>>1 of the specified files is not available
    28jan03 15:26:16 User268147 Session D35.2
      $0.00 0.072 DialUnits File410
   $0.00 Estimated cost File410
   $0.43 TELNET
   $0.43 Estimated cost this search
   $0.43 Estimated total session cost 0.229 DialUnits
SYSTEM:OS - DIALOG OneSearch
 File 5:Biosis Previews(R) 1969-2003/Jan W3
     (c) 2003 BIOSIS
*File 5: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
 File 143:Biol. & Agric. Index 1983-2003/Dec
     (c) 2003 The HW Wilson Co
 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jan W3
     (c) 2003 Inst for Sci Info
*File 34: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
   Set Items Description
? e au=collmer
Ref Items Index-term
      61 AU=COLLMAR W
Εl
      1 AU=COLLMAZZEI J
E3
      0 *AU=COLLMER
      144 AU=COLLMER A
E4
E5
       1 AU=COLLMER AC
      54 AU=COLLMER ALAN
E6
      1 AU=COLLMER ALLAN
      18 AU=COLLMER C W
E8
      2 AU=COLLMER CANDACE W
E9
       1 AU=COLLMER CANDACE WHITMER
E10
       5 AU=COLLMER CW
      11 AU=COLLMER D
E12
     Enter P or PAGE for more
? s e4 or e5 or e6 or e7
       144 AU=COLLMER A
        1 AU=COLLMER AC
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54 AU=COLLMER ALAN

SI

1 AU=COLLMER ALLAN

200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR

AU='COLLMER ALLAN'

? e au=alfano

Ref	Items Index-term
E1	1 AU=ALFANI, F
E2	1 AU=ALFANI, FRANCESCO
E3	0 *AU=ALFANO
E4	22 AU=ALFANO A
E5	2 AU=ALFANO A J
E6	8 AU=ALFANO A M
E7	1 AU=ALFANO A P
E8	6 AU=ALFANO AJ
E9	1 AU=ALFANO ALAN
E10	1 AU=ALFANO ALAN P
Ell	3 AU=ALFANO AP
E12	48 AU=ALFANO B

Enter P or PAGE for more

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Ref Items Index-term
E13
     8 AU=ALFANO BRUNO
     26 AU=ALFANO C
     3 AU=ALFANOCL
     1 AU=ALFANO CA
E16
E17
     1 AU=ALFANO CANDICE A
E18
     3 AU=ALFANO CATHERINE M
E19
     1 AU=ALFANO CHARLES A
     1 AU=ALFANO CHRISTINE
E20
     1 AU=ALFANO CHRISTINE V
E21
E22
     1 AU=ALFANO CL
E23
     4 AU=ALFANO CM
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Enter P or PAGE for more

1 AU=ALFANO CV

? p

E24

Ref Items Index-term E25 6 AU=ALFANO D 13 AU=ALFANO D P E26 1 AU=ALFANO D'ANDREA A E27 E28 1 AU=ALFANO DAA E29 1 AU=ALFANO DENNIS P E30 18 AU=ALFANO DP 3 AU=ALFANO E E31 3 AU=ALFANO E M E32 E33 1 AU=ALFANO EDIE E34 1 AU=ALFANO EM 29 AU=ALFANO F E35 1 AU=ALFANO F D E36

Enter P or PAGE for more

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E47
      2 AU=ALFANO GIOVANNA
     23 AU=ALFANO J
E48
    Enter P or PAGE for more
? p
Ref Items Index-term
      2 AU=ALFANO J A
E49
E50
      3 AU=ALFANOJC
? p
Ref Items Index-term
     3 AU=ALFANO J C
El
E2
     3 AU=ALFANO J E
E3
     3 AU=ALFANO J R
E4
     2 AU=ALFANO JA
E5
     21 AU=ALFANO JAMES R
E6
     31 AU=ALFANO JC
E7
     2 AU=ALFANO JOHN
     2 AU=ALFANO JOSEPH C
     2 AU=ALFANO JOSEPHINE
      2 AU=ALFANO JOSEPHINE A
E10
E11
     18 AU=ALFANO JR
E12
      3 AU=ALFANO K
    Enter P or PAGE for more
? e au=alfano j
Ref Items Index-term
El
     1 AU=ALFANO G R
     2 AU=ALFANO GIOVANNA
     23 *AU=ALFANO J
     2 AU=ALFANO J A
E5
     3 AU=ALFANOJC
     3 AU=ALFANOJE
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E7
     3 AU=ALFANO J R
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     2 AU=ALFANO JA
     21 AU=ALFANO JAMES R
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     31 AU=ALFANO JC
Ell
      2 AU=ALFANO JOHN
E12
      2 AU=ALFANO JOSEPH C
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? s e3 or e4 or e5 or e6 or e7 or e8 or e9 or e10
      23 AU=ALFANO J
      2 AU=ALFANO J A
      3 AU=ALFANOJC
       3 AU=ALFANO J E
       3 AU=ALFANOJR
      2 AU=ALFANO JA
      21 AU=ALFANO JAMES R
      31 AU=ALFANO JC
      88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR
        AU='ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR
        AU='ALFANO JAMES R' OR AU='ALFANO JC'
? e au=charkowsky a
Ref Items Index-term
El
     2 AU=CHARKOWSKI, A. O
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8 AU=ALFANO FS

67 AU=ALFANO G

1 AU=ALFANO G R

E44

E45

E46

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6 AU=CHARKOWSKI, AMY O
E3
     0 *AU=CHARKOWSKY A
     5 AU=CHARKRABARTI A
     1 AU=CHARKRABARTI R
     5 AU=CHARKRABARTIS
E6
E7
     1 AU=CHARKRABARTI UK
E8
     1 AU=CHARKRABATI R
     1 AU=CHARKRABORTITK
      1 AU=CHARKRABORTY A K
E10
      1 AU=CHARKRABORTY N K
Ell
     47 AU=CHARKRABORTY R
E12
    Enter P or PAGE for more
? s el or s2
      2 AU=CHARKOWSKI, A. O
      88 S2
       90 AU='CHARKOWSKI, A. O' OR S2
  S3
? ds
    Items Description
Set
S1
     200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -
     AU='COLLMER ALLAN'
      88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-
S2
     'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-
     NO JAMES R' OR AU='ALFANO JC'
     90 AU='CHARKOWSKI, A. O' OR S2
S3
? e au=charkowski
Ref Items Index-term
     9 AU=CHARKOUDIAN, NISHA
El
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     1 AU=CHARKOVSKY VB
E3
     0 *AU=CHARKOWSKI
     1 AU=CHARKOWSKI A
     10 AU=CHARKOWSKI A O
E6
     1 AU=CHARKOWSKI AMY
E7
     9 AU=CHARKOWSKI AMY O
E8
     12 AU=CHARKOWSKI AO
E9
     2 AU=CHARKOWSKI D
     2 AU=CHARKOWSKI D M
E10
     1 AU=CHARKOWSKI DENNIS M
E11
E12
     2 AU=CHARKOWSKI DM
    Enter P or PAGE for more
? s e4 or e5 or e6 or e7 or e8
      1 AU=CHARKOWSKI A
      10 AU=CHARKOWSKI A O
      1 AU=CHARKOWSKI AMY
      9 AU=CHARKOWSKI AMY O
      12 AU=CHARKOWSKI AO
      33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR
  S4
        AU='CHARKOWSKI AMY' OR AU='CHARKOWSKI AMY O' OR
        AU='CHARKOWSKI AO'
? ds
Set Items Description
     200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -
SI
     AU='COLLMER ALLAN'
     88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-
     'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-
     NO JAMES R' OR AU='ALFANO JC'
     90 AU='CHARKOWSKI, A. O' OR S2
S3
     33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR AU='CHARKOWSKI
S4
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AMY' OR AU='CHARKOWSKI AMY O' OR AU='CHARKOWSKI AO' ? "pseudomonas syringae" >>>Warning: unmatched quote found Ref Items Index-term 1 PSEUDOMONAS SYRINGAE-DERIVED El 1 PSEUDOMONAS SYRINGAE, PV CORONAFACIENS, PV PHA 0 *PSEUDOMONAS SYRINGAE" 1 PSEUDOMONAS SYRINGAES STRA GENE (PSEUDOMONADAC 2 PSEUDOMONAS SYRINGE PV TABACI 3 PSEUDOMONAS SYRINGEA (PSEUDOMONADACEAE) E6 **E7** 1 PSEUDOMONAS SYRINGEA LSCA GENE (PSEUDOMONADACE 1 PSEUDOMONAS SYRINGEA LSCB GENE (PSEUDOMONADACE E8 1 PSEUDOMONAS SYRINGEA LSCC GENE (PSEUDOMONADACE E10 1 PSEUDOMONAS SYRINGNAE E11 1 PSEUDOMONAS SYRINGNE E12 1 PSEUDOMONAS SYRINGUE Enter P or PAGE for more ? s "pseudomonas syringae" S5 338 "PSEUDOMONAS SYRINGAE" ? s (s1 or s2 or s4) 200 S1 88 S2 33 S4 S6 282 (S1 OR S2 OR S4) ? s s6 and s5 282 S6 338 S5 0 S6 AND S5 ? ds Items Description Set 200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -SI **AU='COLLMER ALLAN'** 88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-NO JAMES R' OR AU='ALFANO JC' 90 AU='CHARKOWSKI, A. O' OR S2 33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR AU='CHARKOWSKI AMY' OR AU='CHARKOWSKI AMY O' OR AU='CHARKOWSKI AO' 338 "PSEUDOMONAS SYRINGAE" 282 (S1 OR S2 OR S4) 0 S6 AND S5 ? s s6 and dc300 282 S6 1 DC300 0 S6 AND DC300 **S8** ? s s6 and effector? 282 S6 63459 EFFECTOR? 26 S6 AND EFFECTOR? ? type s9/free/all

9/8/2 (Item 2 from file: 5)

(Item 1 from file: 5)

14061188 BIOSIS NO.: 200300055217

Recombinant constructs and techniques for delivering to eucaryotic cells

bacterial proteins that are secreted via type III secretion systems.

9/8/1

2002

13946618 BIOSIS NO.: 200200575439

A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity island conserved effector locus, hopPtoA1, contributes to efficient formation of bacterial colonies in planta and is duplicated elsewhere in the genome.

2002

9/8/3 (Item 3 from file: 5)
13935569 BIOSIS NO.: 200200564390
Genomic mining type III secretion system effectors in Pseudomonas syringae yields new picks for all TTSS prospectors.
2002

9/8/4 (Item 4 from file: 5) 13837836 BIOSIS NO.: 200200466657 Pseudomonas syringae pv. tomato DC3000: Genomics and phytopathogenicity. 2002

9/8/5 (Item 5 from file: 5)
13778060 BIOSIS NO.: 200200406881
The ShcA protein is a molecular chaperone that assists in the secretion of the HopPsyA effector from the type III (Hrp) protein secretion system of Pseudomonas syringae.
2002

9/8/6 (Item 6 from file: 5)
13731560 BIOSIS NO.: 200200360381
Genomewide identification of proteins secreted by the Hrp type III protein secretion system of Pseudomonas syringae pv. tomato DC3000.
2002

9/8/7 (Item 7 from file: 5)
13587055 BIOSIS NO.: 200200215876
Genomewide identification of Pseudomonas syringae pv. tomato DC3000 promoters controlled by the HrpL alternative sigma factor.
2002

9/8/8 (Item 8 from file: 5)
12684892 BIOSIS NO.: 200000438394
Pseudomonas syringae Hrp type III secretion system and effector proteins.
2000

9/8/9 (Item 9 from file: 5)
12601482 BIOSIS NO.: 200000354984
Functional analysis of the exchangeable effector loci of multiple
Pseudomonas syringae pathovars.
2000

9/8/10 (Item 10 from file: 5)
12553594 BIOSIS NO.: 200000307096
Functional analysis of the conserved effector locus in the Hrp pathogenicity island of Pseudomonas syringae pv. tomato DC3000. 2000

9/8/11 (Item 11 from file: 5)

12502661 BIOSIS NO.: 200000256163

The Pseudomonas syringae Hrp pathogenicity island has a tripartite mosaic structure composed of a cluster of type III secretion genes bounded by exchangeable effector and conserved effector loci that contribute to parasitic fitness and pathogenicity in plants.

2000

9/8/12 (Item 12 from file: 5)

12400824 BIOSIS NO.: 200000154326

The gene coding for the Hrp pilus structural protein is required for type III secretion of Hrp and Avr proteins in Pseudomonas syringae pv. tomato. 2000

9/8/13 (Item 13 from file: 5)

12113150 BIOSIS NO.: 199900407999

The Avr (effector) proteins HrmA (HopPsyA) and AvrPto are secreted in culture from Pseudomonas syringae pathovars via the Hrp (type III) protein secretion system in a temperature- and pH-sensitive manner. 1999

9/8/14 (Item 14 from file: 5)

12104757 BIOSIS NO.: 199900399606

Type III secretion machines: Bacterial devices for protein delivery into host cells.

1999

9/8/15 (Item 15 from file: 5)

11623857 BIOSIS NO.: 199800406069

A cloned Erwinia chrysanthemi Hrp (type III protein secretion) system functions in Escherichia coli to deliver Pseudomonas syringae Avr signals to plant cells and to secrete Avr proteins in culture.

1998

9/8/16 (Item 1 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11254029 Genuine Article#: 626FC Number of References: 53

Title: A Pseudomonas syringae pv. tomato DC3000 Hrp (type III secretion) deletion mutant expressing the Hrp system of bean pathogen P-syringae pv. syringae 61 retains normal host specificity for tomato (ABSTRACT AVAILABLE)

Publication date: 20030100

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOTECHNOLOGY & APPLIED MICROBIOLOGY; PLANT SCIENCES

Identifiers--KeyWord Plus(R): GRAM-NEGATIVE BACTERIA; YERSINIA YSC HOMOLOGS; HYPERSENSITIVE RESPONSE; EFFECTOR PROTEINS; GENE-CLUSTER; PHYTOTOXIN CORONATINE; HARPIN(PSS) SECRETION; ARABIDOPSIS-THALIANA; AVIRULENCE GENE; AVR PROTEINS

9/8/17 (Item 2 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11064745 Genuine Article#: 601WN Number of References: 69

Title: Genomic mining type III secretion system effectors in

Pseudomonas syringae yields new picks for all TTSS prospectors (

ABSTRACT AVAILABLE)

Publication date: 20021000

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; MICROBIOLOGY

Identifiers-KeyWord Plus(R): ALTERNATE SIGMA-FACTOR; PV TOMATO;

HYPERSENSITIVE RESPONSE; PROTEIN SECRETION; AVIRULENCE GENE;

PATHOGENICITY ISLAND; PLASMA-MEMBRANE; AVR PROTEINS; HRP; PLANT

9/8/18 (Item 3 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

11059387 Genuine Article#: 601FN Number of References: 55

Title: A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity

island conserved effector locus, hopPtoA1, contributes to

efficient formation of bacterial colonies in planta and is duplicated

elsewhere in the genome (ABSTRACT AVAILABLE)

Publication date: 20021000

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOTECHNOLOGY &

APPLIED MICROBIOLOGY; PLANT SCIENCES

Identifiers--KeyWord Plus(R): III PROTEIN SECRETION; GRAM-NEGATIVE

BACTERIA; ALTERNATE SIGMA-FACTOR; HYPERSENSITIVE RESPONSE;

ERWINIA-AMYLOVORA; PECTATE LYASES; AVR PROTEINS; SYSTEM; PHASEOLICOLA;

AVIRULENCE

9/8/19 (Item 4 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10703355 Genuine Article#: 557KW Number of References: 42

Title: Genomewide identification of proteins secreted by the Hrp type III

protein secretion system of Pseudomonas syringae pv. tomato DC3000 (

ABSTRACT AVAILABLE)

Publication date: 20020528

Journal Subject Category: MULTIDISCIPLINARY SCIENCES

Identifiers--KeyWord Plus(R): AGROBACTERIUM-TUMEFACIENS C58; DISEASE

RESISTANCE LOCUS; FLANK AVIRULENCE GENES; GRAM-NEGATIVE BACTERIA;

MESSENGER-RNA; PATHOGENICITY ISLAND; PLANT PATHOGEN; EXPRESSION;

SEQUENCE; SIGNALS

9/8/20 (Item 5 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

10429137 Genuine Article#: 524UK Number of References: 51

Title: Genomewide identification of Pseudomonas syringae pv. tomato DC3000

promoters controlled by the HrpL alternative sigma factor (ABSTRACT

AVAILABLE)

Publication date: 20020219

Journal Subject Category: MULTIDISCIPLINARY SCIENCES

Identifiers-KeyWord Plus(R): HIDDEN MARKOV-MODELS; AVIRULENCE GENE; III

SECRETION; DISEASE RESISTANCE; BACILLUS-SUBTILIS; SEQUENCE; PROTEIN;

CLONING; CELLS; LOCUS

9/8/21 (Item 6 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

08899832 Genuine Article#: 341UL Number of References: 85

Title: Pseudomonas syringae Hrp type III secretion system and

effector proteins (ABSTRACT AVAILABLE)

Publication date: 20000801

Journal Subject Category: MULTIDISCIPLINARY SCIENCES

Identifiers--KeyWord Plus(R): PLANT-DISEASE RESISTANCE; HYPERSENSITIVE CELL-DEATH; GRAM-NEGATIVE BACTERIA; YERSINIA YSC HOMOLOGS; MESSENGER-RNA SIGNAL; PV SYRINGAE; AVIRULENCE GENE; MOLECULAR CHARACTERIZATION; RALSTONIA-SOLANACEARUM; PATHOGENICITY ISLANDS

9/8/22 (Item 7 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

08624027 Genuine Article#: 308GW Number of References: 54
Title: The Pseudomonas syringae Hrp pathogenicity island has a tripartite mosaic structure composed of a cluster of type III secretion genes bounded by exchangeable effector and conserved effector loci that contribute to parasitic fitness and pathogenicity in plants (ABSTRACT AVAILABLE)

Publication date: 20000425

Journal Subject Category: MULTIDISCIPLINARY SCIENCES

Identifiers—KeyWord Plus(R): FRAGMENT-LENGTH-POLYMORPHISM;

ESCHERICHIA-COLI; HYPERSENSITIVE RESPONSE; ERWINIA-AMYLOVORA; AVIRULENCE GENES; PV TOMATO; BACTERIAL PATHOGENS; PECTATE LYASES; AVR PROTEINS; SEQUENCE

9/8/23 (Item 8 from file: 34)

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

08472754 Genuine Article#: 289QJ Number of References: 55

Title: The gene coding for the Hrp pilus structural protein is required for type III secretion of Hrp and Avr proteins in Pseudomonas syringae pv.

tomato (ABSTRACT AVAILABLE)

Publication date: 20000229

Journal Subject Category: MULTIDISCIPLINARY SCIENCES

Identifiers--KeyWord Plus(R): ALTERNATE SIGMA-FACTOR; YERSINIA YSC HOMOLOGS; TARGET-CELL CONTACT; HYPERSENSITIVE RESPONSE; EPITHELIAL-CELLS; SALMONELLA-TYPHIMURIUM; PATHOGENIC BACTERIA; NEGATIVE

REGULATION; ESCHERICHIA-COLI, EXPRESSION

9/8/24 (Item 9 from file: 34)

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07934523 Genuine Article#: 226GN Number of References: 47
Title: The Avr (effector) proteins HrmA (HopPsyA) and AvrPto are secreted in culture from Pseudomonas syringae pathovars via the Hrp (type III) protein secretion system in a temperature- and pH-sensitive manner (ABSTRACT AVAILABLE)

Publication date: 19990800

Journal Subject Category: MICROBIOLOGY

Identifiers—KeyWord Plus(R): PLANT-DISEASE RESISTANCE; ALTERNATE SIGMA-FACTOR; HYPERSENSITIVE RESPONSE; AVIRULENCE GENES; ERWINIA-AMYLOVORA; ESCHERICHIA-COLI; PV PHASEOLICOLA; CULTIVAR SPECIFICITY; PATHOGENICITY FACTOR; EXPRESSION

9/8/25 (Item 10 from file: 34)
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07701233 Genuine Article#: 198NN Number of References: 79
Title: Type III secretion machines: Bacterial devices for protein delivery into host cells (ABSTRACT AVAILABLE)

Publication date: 19990521 Journal Subject Category: MULTIDISCIPLINARY SCIENCES Identifiers--KeyWord Plus(R): ENTEROPATHOGENIC ESCHERICHIA-COLI; PLANT-PATHOGENIC BACTERIA; SALMONELLA-TYPHIMURIUM; EPITHELIAL-CELLS; YERSINIA-ENTEROCOLITICA; PSEUDOMONAS-SYRINGAE; SHIGELLA-FLEXNERI; TARGET-CELL; TYROSINE-PHOSPHATASE; ERWINIA-AMYLOVORA 9/8/26 (Item 11 from file: 34) DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv. 06987578 Genuine Article#: 112BX Number of References: 48 Title: A cloned Erwinia chrysanthemi Hrp (type III protein secretion) system functions in Escherichia coli to deliver Pseudomonas syringae Avr signals to plant cells and to secrete Avr proteins in culture (ABSTRACT AVAILABLE) Publication date: 19980818 Journal Subject Category: MULTIDISCIPLINARY SCIENCES Identifiers--KeyWord Plus(R): CAMPESTRIS PV VESICATORIA; GRAM-NEGATIVE BACTERIA; SOFT-ROT PATHOGENESIS; HYPERSENSITIVE RESPONSE; AVIRULENCE GENES; DELETION MUTATIONS; DISEASE RESISTANCE; EXPRESSION; PATHWAY; HARPIN ? ds Set Items Description 200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -**AU='COLLMER ALLAN'** 88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-**S2** 'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-NO JAMES R' OR AU='ALFANO JC' 90 AU='CHARKOWSKI, A. O' OR S2 33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR AU='CHARKOWSKI AMY' OR AU='CHARKOWSKI AMY O' OR AU='CHARKOWSKI AO' 338 "PSEUDOMONAS SYRINGAE" 282 (S1 OR S2 OR S4) **S6 S7** 0 S6 AND S5 0 S6 AND DC300 26 S6 AND EFFECTOR? ? s hopptoa or hopptoal 1 HOPPTOA 2 HOPPTOA1 3 HOPPTOA OR HOPPTOA I S10 ? type s10/free/all (Item 1 from file: 5) 10/8/1 13946618 BIOSIS NO.: 200200575439 A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity island conserved effector locus, hopPtoA1, contributes to efficient formation of bacterial colonies in planta and is duplicated elsewhere in the genome. 2002 10/8/2 (Item 2 from file: 5) 11007214 BIOSIS NO.: 199799628359 HopPtoA, a Pseudomonas syringae pv. tomato Hrp-secreted protein with homology to pectate lyases. 1997

(Item 1 from file: 34)

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10/8/3

11059387 Genuine Article#: 601FN Number of References: 55 Title: A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity island conserved effector locus, hopPtoA1, contributes to efficient formation of bacterial colonies in planta and is duplicated elsewhere in the genome (ABSTRACT AVAILABLE) Publication date: 20021000 Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOTECHNOLOGY & APPLIED MICROBIOLOGY; PLANT SCIENCES Identifiers-KeyWord Plus(R): III PROTEIN SECRETION; GRAM-NEGATIVE BACTERIA; ALTERNATE SIGMA-FACTOR; HYPERSENSITIVE RESPONSE; ERWINIA-AMYLOVORA; PECTATE LYASES; AVR PROTEINS; SYSTEM; PHASEOLICOLA; **AVIRULENCE** ? type s10/free/all 10/8/1 (Item 1 from file: 5) 13946618 BIOSIS NO.: 200200575439 A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity island conserved effector locus, hopPtoA1, contributes to efficient formation of bacterial colonies in planta and is duplicated elsewhere in the genome. 2002 (Item 2 from file: 5) 10/8/2 11007214 BIOSIS NO.: 199799628359 HopPtoA, a Pseudomonas syringae pv. tomato Hrp-secreted protein with homology to pectate lyases. 1997 (Item 1 from file: 34) 10/8/3 DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv. 11059387 Genuine Article#: 601FN Number of References: 55 Title: A gene in the Pseudomonas syringae pv. tomato Hrp pathogenicity island conserved effector locus, hopPtoA1, contributes to efficient formation of bacterial colonies in planta and is duplicated elsewhere in the genome (ABSTRACT AVAILABLE) Publication date: 20021000 Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOTECHNOLOGY & APPLIED MICROBIOLOGY; PLANT SCIENCES Identifiers—KeyWord Plus(R): III PROTEIN SECRETION; GRAM-NEGATIVE BACTERIA; ALTERNATE SIGMA-FACTOR; HYPERSENSITIVE RESPONSE; ERWINIA-AMYLOVORA; PECTATE LYASES; AVR PROTEINS; SYSTEM; PHASEOLICOLA; **AVIRULENCE** ? type s10/2/full >>>'FULL' not recognized as item list ? type s10/full/2 10/9/2 (Item 2 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2003 BIOSIS. All rts. reserv. 11007214 BIOSIS NO.: 199799628359 HopPtoA, a Pseudomonas syringae pv. tomato Hrp-secreted protein with homology to pectate lyases. AUTHOR: Charkowski A O(a); Conlin A(a); He S-Y; Collmer A(a) AUTHOR ADDRESS: (a)Dep. Plant Pathol., Cornell Univ., Ithaca, NY 14850**USA JOURNAL: Phytopathology 87 (6 SUPPL.):pS17 1997 CONFERENCE/MEETING: Annual Meeting of the American Phytopathological

Society Rochester, New York, USA August 9-13, 1997

ISSN: 0031-949X RECORD TYPE: Citation LANGUAGE: English REGISTRY NUMBERS: 9015-75-2D: PECTATE LYASES; 9015-75-2: PECTATE LYASE DESCRIPTORS: MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Infection; Pathology; Physiology BIOSYSTEMATIC NAMES: Pseudomonadaceae-Eubacteria, Bacteria; Solanaceae-Dicotyledones, Angiospermae, Spermatophyta, Plantae ORGANISMS: tobacco (Solanaceae); Pseudomonas syringae (Pseudomonadaceae) BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): angiosperms; bacteria; dicots; eubacteria; microorganisms; plants; spermatophytes; vascular plants CHEMICALS & BIOCHEMICALS: PECTATE LYASES; PECTATE LYASE INDUSTRY: crop industry MISCELLANEOUS TERMS: Meeting Abstract; HOPPTOA; HOST; HRP-SECRETED PROTEIN; HYPERSENSITIVE RESPONSE; INFECTION; PATHOVAR-TOMATO; PECTATE LYASE HOMOLOGY CONCEPT CODES: 10064 Biochemical Studies-Proteins, Peptides and Amino Acids 31000 Physiology and Biochemistry of Bacteria 54504 Phytopathology-Diseases Caused by Bacteria 54514 Phytopathology-Parasitism and Resistance 00520 General Biology-Symposia, Transactions and Proceedings of Conferences, Congresses, Review Annuals BIOSYSTEMATIC CODES: 06508 Pseudomonadaceae (1992-) 26775 Solanaceae ? ds Items Description Set 200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -**AU='COLLMER ALLAN'** 88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-NO JAMES R' OR AU='ALFANO JC' 90 AU='CHARKOWSKI, A. O' OR S2 **S3** 33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR AU='CHARKOWSKI **S4** AMY' OR AU='CHARKOWSKI AMY O' OR AU='CHARKOWSKI AO' 338 "PSEUDOMONAS SYRINGAE" 282 (S1 OR S2 OR S4) **S6** 0 S6 AND S5 0 S6 AND DC300 26 S6 AND EFFECTOR? 3 HOPPTOA OR HOPPTOA 1 S10 ? s collmer and alfano and charkowski 18 COLLMER 17 ALFANO 0 CHARKOWSKI 0 COLLMER AND ALFANO AND CHARKOWSKI SH ? ds Items Description 200 AU='COLLMER A' OR AU='COLLMER AC' OR AU='COLLMER ALAN' OR -AU='COLLMER ALLAN' 88 AU='ALFANO J' OR AU='ALFANO J A' OR AU='ALFANO J C' OR AU=-S2 'ALFANO J E' OR AU='ALFANO J R' OR AU='ALFANO JA' OR AU='ALFA-NO JAMES R' OR AU='ALFANO JC' 90 AU='CHARKOWSKI, A. O' OR S2 **S3** 33 AU='CHARKOWSKI A' OR AU='CHARKOWSKI A O' OR AU='CHARKOWSKI **S4** AMY' OR AU='CHARKOWSKI AMY O' OR AU='CHARKOWSKI AO' **S5** 338 "PSEUDOMONAS SYRINGAE"

282 (S1 OR S2 OR S4)

S6

S7 0 S6 AND S5

S8 0 S6 AND DC300

S9 26 S6 AND EFFECTOR?

S10 3 HOPPTOA OR HOPPTOA1

511 0 COLLMER AND ALFANO AND CHARKOWSKI